

IN THE CLAIMS

1-30. (cancelled)

31. (previously presented) A receiving apparatus of a digital broadcasting for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving a transport stream from an external reproducing apparatus having both analog and digital recording and reproducing modes; and

a display processing circuit for displaying control panel information for allowing station selection and recording and reproduction control of a program recorded on a recording medium loaded in said external reproducing apparatus by a predetermined format,

wherein when said external recording apparatus is in the analog reproducing mode, said display processing circuit prevents the display of the received digital broadcasting signal to the user, and when said external recording apparatus is in the analog recording mode, said display processing circuit prevents the display of the received digital broadcasting signal only during the displaying of said control panel information; and

wherein when said external recording apparatus is in the digital recording mode, the digital broadcasting signal is displayed whether or not the control panel information is displayed, and wherein when said external recording apparatus is in the analog recording mode, said display processing circuit prevents the display of the received digital broadcasting signal only during display of said control panel information.

32. (previously presented) An apparatus according to claim 31, wherein an alarm message is displayed to the user when said display processing circuit prevents the display of the received digital broadcasting signal to the user.

33. (currently amended) An apparatus according to claim 32, wherein said alarm messages indicates that said external recording apparatus is under analog reproduction and that the digital broadcasting signal cannot be displayed.

34. (previously presented) An apparatus according to claim 31, wherein the analog recording mode includes a stop mode, a recording pause mode and record mode.

35. (currently amended) A display method of ~~recording program associated information in~~ a receiving apparatus of a digital broadcasting, comprising:

receiving in the receiving apparatus a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed;

decoding in the receiving apparatus said received digital broadcasting signal;

receiving in the receiving apparatus a transport stream from an external reproducing apparatus through a digital interface, the external reproducing apparatus having both analog and digital reproducing modes;

displaying an alarm message during a recording mode of the external reproducing apparatus showing that a recording mode of a program recorded on a recording medium loaded in the external reproducing apparatus indicates an analog recording or a digital recording; and

displaying an alarm message upon attempted reproduction from the external recording apparatus, through the receiving apparatus, of a program recorded in the analog mode

when the external reproducing apparatus is in the digital reproduction mode.

36. (previously presented) A method according to claim 35, wherein said alarm message indicates that a new station cannot be selected by the user during digital recording by the external reproducing apparatus.

37. (previously presented) A method according to claim 35, wherein said alarm message indicates that a new station cannot be selected by the user during an analog recording mode by the external reproducing apparatus and during display of a control panel allowing a user to select a new station.

38. (previously presented) A method according to claim 37, wherein the analog recording mode is one of a stop mode, a recording pause mode and record mode.

39. (previously presented) A method according to claim 35, wherein said information associated with said program includes information of the recording mode of said recorded program.

40. (previously presented) An apparatus according to claim 31, wherein said information associated with said program includes information of the recording mode of said recorded program.

41. (previously presented) A receiving apparatus of a digital broadcasting for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

- a decoder for decoding said received digital broadcasting signal;

- a digital interface for receiving a transport stream from an external reproducing apparatus having both analog and digital recording and reproducing modes; and

a display processing circuit for displaying control panel information for allowing station selection and recording and reproduction control of a program recorded on a recording medium loaded in said external reproducing apparatus by a predetermined format;

wherein when said external recording apparatus is in the digital recording mode, the digital broadcasting signal is displayed whether or not the control panel information is displayed; and

wherein when said external recording apparatus is in the analog recording mode, said display processing circuit prevents the display of the received digital broadcasting signal only during the displaying of said control panel information.

42. (previously presented) An apparatus according to claim 41, wherein an alarm message is displayed to the user when said display processing circuit prevents the display of the received digital broadcasting signal to the user.

43. (previously presented) An apparatus according to claim 42, wherein said alarm messages indicates that said external recording apparatus is under analog reproduction and that the digital broadcasting signal cannot be displayed.

44. (previously presented) An apparatus according to claim 41, wherein the analog recording mode includes a stop mode, a recording pause mode and record mode.

45. (previously presented) An apparatus according to claim 41, wherein said information associated with said program is overlapped to a reproduction signal from said reproducing apparatus and displayed.

46. (previously presented) An apparatus according to claim 41, wherein said information associated with said program

includes information of the recording mode of said recorded program.

47-51. (cancelled)

52. (previously presented) A receiving apparatus of a digital broadcasting for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving the transport stream from an external reproducing apparatus;

a CPU programmed for retrieving information associated with a program recorded on a recording medium loaded in said reproducing apparatus from a memory in said reproducing apparatus; and

a display processing circuit for displaying the information associated with the program recorded on the recording medium loaded in said reproducing apparatus by a predetermined format,

wherein in the case where a digital signal reproduced by said reproducing apparatus and received through said digital interface is not able to be decoded in said decoder, said display processing circuit performs a display process so as to display a message showing that the program recorded on the recording medium loaded in said reproducing apparatus is recorded in a recording mode in which said digital signal cannot be decoded by said receiving apparatus of said digital broadcasting.

53. (currently amended) A receiving apparatus of a digital broadcasting for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving the transport stream from an external reproducing apparatus, the external reproducing apparatus having both analog and digital reproducing modes; and

a display processing circuit for displaying an alarm message during a recording mode of the external reproducing apparatus showing that the recording mode of the program recorded on the recording medium loaded in said external reproducing apparatus indicates an analog recording or a digital recording, the display processing circuit further displaying an alarm message upon attempted reproduction from the external recording apparatus, through the receiving apparatus, of a program recorded in the analog mode when the external reproducing apparatus is in the digital reproduction mode.

54. (previously presented) An apparatus according to claim 53, wherein said alarm message indicates that a new station cannot be selected by the user during digital recording by the external reproducing apparatus.

55. (previously presented) An apparatus according to claim 53, wherein said alarm message indicates that a new station cannot be selected by the user during an analog recording mode by the external reproducing apparatus and during display of a control panel allowing a user to select a new station.

56. (previously presented) An apparatus according to claim 55, wherein the analog recording mode is one of a stop mode, a recording pause mode and record mode.

57. (previously presented) An apparatus according to claim 53, wherein said information associated with said program includes information of the recording mode of said recorded program.

58. (previously presented) A receiving apparatus of a digital broadcasting for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving a transport stream from a reproducing apparatus; and

a display processing circuit for displaying information associated with a program recorded in a predetermined compression format on a recording medium loaded in said reproducing apparatus,

wherein in the case where the digital signal reproduced by said reproducing apparatus and received through said digital interface is not able to be decoded in said decoder, said display processing circuit performs a display process so as to display a message showing that the program recorded on the recording medium loaded in said reproducing apparatus is recorded in a compression mode in which said digital signal cannot be decoded by said receiving apparatus.

59. (previously presented) An apparatus according to claim 58, wherein said information associated with said program includes at least one of a channel number of the program, a program name, a genre, a date of the recording, and a recording time.

60. (previously presented) An apparatus according to claim 58, wherein said information associated with said program includes recording position information of the program on the recording medium.

61. (previously presented) An apparatus according to claim 58, wherein said information associated with said program is

overlapped to a reproduction signal from said reproducing apparatus and displayed.

62. (previously presented) An apparatus according to claim 58, wherein said information associated with said program includes information of a recording mode of said recorded program.

63. (previously presented) A receiving apparatus of a digital broadcasting for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

- a decoder for decoding said received digital broadcasting signal;

- a digital interface for receiving the transport stream from an external reproducing apparatus; and

- a display processing circuit for displaying information associated with a program recorded in a predetermined transport stream format on a recording medium loaded in said reproducing apparatus,

wherein in the case where the digital signal reproduced by said reproducing apparatus and received through said digital interface is not able to be decoded in said decoder, said display processing circuit performs a display process so as to display a message indicating that the program recorded on the recording medium loaded in said reproducing apparatus is recorded in a format wherein said digital signal cannot be decoded by said receiving apparatus.

64. (previously presented) An apparatus according to claim 63, wherein said information associated with said program includes at least one of a channel number of the program, a program name, a genre, a date of the recording, and a recording time.



65. (previously presented) An apparatus according to claim 63, wherein said information associated with said program includes recording position information of the program on the recording medium.

66. (previously presented) An apparatus according to claim 63, wherein said information associated with said program is overlapped to a reproduction signal from said reproducing apparatus and displayed.

67. (previously presented) An apparatus according to claim 63, wherein said information associated with said program includes information of a recording mode of said recorded program.

68. (previously presented) A display method of recording program associated information in a receiving apparatus of a digital broadcasting, comprising:

- receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed;

- decoding said received digital broadcasting signal;

- receiving a transport stream from an external reproducing apparatus through a digital interface and having both analog and digital recording and reproducing modes;

- displaying control panel information for allowing station selection and recording and reproduction control of a program recorded on a recording medium loaded in said external reproducing apparatus by a predetermined format;

- wherein when said external recording apparatus is in the analog reproducing mode, the display of the received digital broadcasting signal to the user is prevented, and when said external recording apparatus is in the analog recording mode, the display of the received digital broadcasting signal is

prevented only during the displaying of said control panel information; and

wherein when said external recording apparatus is in the digital recording mode, the digital broadcasting signal is displayed whether or not the control panel information is displayed, and wherein when said external recording apparatus is in the analog recording mode, said display processing circuit prevents the display of the received digital broadcasting signal only during display of said control panel information.

69. (previously presented) A display method of recording program associated information in a receiving apparatus of a digital broadcasting, comprising:

receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed;

decoding said received digital broadcasting signal;

receiving a transport stream from an external reproducing apparatus having both analog and digital recording and reproducing modes through a digital interface;

displaying control panel information for allowing station selection and recording and reproduction control of a program recorded on a recording medium loaded in said external reproducing apparatus by a predetermined format;

wherein when said external recording apparatus is in the digital recording mode, the digital broadcasting signal is displayed whether or not the control panel information is displayed; and

wherein when said external recording apparatus is in the analog recording mode, the display of the received digital broadcasting signal is prevented only during the displaying of said control panel information.

70. (previously presented) A method according to claim 69, wherein an alarm message is displayed to the user when the display of the received digital broadcasting signal to the user is prevented.

71. (cancelled)

72. (previously presented) A display method of recording program associated information in a receiving apparatus of a digital broadcasting, comprising:

receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed;

decoding said received digital broadcasting signal;

receiving the transport stream from an external reproducing apparatus through a digital interface;

reading out information associated with a program recorded on a recording medium loaded in said reproducing apparatus from a memory in said reproducing apparatus; and

displaying the information associated with the program recorded on the recording medium loaded in said reproducing apparatus by a predetermined format,

wherein in said displaying the information, when a digital signal reproduced in said reproducing apparatus and received through a digital interface is not able to be decoded in said decoding step, a display process is performed so as to display a message showing that the program recorded on the recording medium loaded in said reproducing apparatus indicates the recording mode in which the digital signal cannot be decoded.